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NEWS 3 JAN 16 CAS patent coverage enhanced to include exemplified  
prophetic substances  
NEWS 4 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new  
custom IPC display formats  
NEWS 5 JAN 28 MARPAT searching enhanced  
NEWS 6 JAN 28 USGENE now provides USPTO sequence data within 3 days  
of publication  
NEWS 7 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment  
NEWS 8 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements  
NEWS 9 FEB 08 STN Express, Version 8.3, now available  
NEWS 10 FEB 20 PCI now available as a replacement to DPCI  
NEWS 11 FEB 25 IFIREF reloaded with enhancements  
NEWS 12 FEB 25 IMSPRODUCT reloaded with enhancements  
NEWS 13 FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current  
U.S. National Patent Classification  
NEWS 14 MAR 31 IFICDB, IFIPAT, and IFIUIDB enhanced with new custom  
IPC display formats  
NEWS 15 MAR 31 CAS REGISTRY enhanced with additional experimental  
spectra  
NEWS 16 MAR 31 CA/CAPLUS and CASREACT patent number format for U.S.  
applications updated  
NEWS 17 MAR 31 LPCI now available as a replacement to LDPCI  
NEWS 18 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 19 APR 04 STN AnaVist, Version 1, to be discontinued  
  
NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 6 APR 2008 HIGHEST RN 1012582-98-7  
 DICTIONARY FILE UPDATES: 6 APR 2008 HIGHEST RN 1012582-98-7

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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```
=> kedw/sqsp
L1      3107 KEDW/SQSP

=> kedw/sqsp and sql=4
      2 KEDW/SQSP
      77543 SQL=4
L2      2 KEDW/SQSP AND SQL=4
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=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.41	66.62

FILE 'CAPLUS' ENTERED AT 13:09:54 ON 07 APR 2008  
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FILE COVERS 1907 - 7 Apr 2008 VOL 148 ISS 15  
 FILE LAST UPDATED: 6 Apr 2008 (20080406/ED)

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=> 12

L3 2 L2

=> d ibib abs total hitstr

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1300767 CAPLUS

DOCUMENT NUMBER: 145:202495

TITLE: Effect of Tetrapeptide on Insulin Biosynthesis in Rats  
with Alloxan-Induced Diabetes

AUTHOR(S): Khavinson, V. Kh.

CORPORATE SOURCE: St. Petersburg Institute of Bioregulation and  
Gerontology, North-Western Division, Russian Academy  
of Medical Sciences, Russia

SOURCE: Bulletin of Experimental Biology and Medicine (2005),  
140(4), 452-454

CODEN: BEXBAN; ISSN: 0007-4888

PUBLISHER: Springer

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Anal. of amino acid sequences of insulinotropic polypeptides revealed a  
common short fragment consisting of four amino acid residues. We  
synthesized KEDWa tetrapeptide, analog of this fragment protected from the  
effects of gastrointestinal proteinases. This tetrapeptide partially  
restored insulin synthesis in rats with alloxan-induced diabetes. The  
slope of the sugar curve in this case was similar to that in normal  
animals. Presumably, this tetrapeptide activates the preproinsulin gene  
promotor site via complementary interactions with the ggcagg and cctgcc  
nucleotide sequences of the leading strand of double-stranded DNA.

IT 904292-59-7

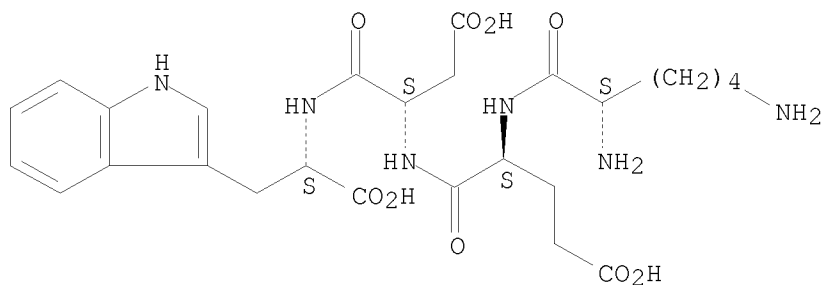
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic  
use); BIOL (Biological study); USES (Uses)

(KEDWa tetrapeptide activated preproinsulin gene promoter site via  
complementary interaction with ggcagg and cctgcc nucleotide sequence of  
double-stranded DNA and partially restored insulin synthesis in  
alloxan-induced diabetic rat)

RN 904292-59-7 CAPLUS

CN L-Tryptophan, L-lysyl-L- $\alpha$ -glutamyl-L- $\alpha$ -aspartyl- (CA INDEX  
NAME)

Absolute stereochemistry.



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1106537 CAPLUS  
DOCUMENT NUMBER: 142:62720  
TITLE: Tetrapeptide regulating glucose level in diabetes mellitus, pharmacological agent based on thereof and method for its applying  
INVENTOR(S): Khavinson, V. Kh.; Malinin, V. V.; Grigor'ev, E. I.; Ryzhak, G. A.  
PATENT ASSIGNEE(S): Sankt-Peterburgskaya Obshchestvennaya Organizatsiya "Sankt-Peterburgskii Institut Bioregulyatsii i Gerontologii SZO RAMN", Russia  
SOURCE: Russ., No pp. given  
CODEN: RUXXE7  
DOCUMENT TYPE: Patent  
LANGUAGE: Russian  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2242241	C1	20041220	RU 2003-135605	20031210
AU 2004296269	A1	20050623	AU 2004-296269	20040809
CA 2547873	A1	20050623	CA 2004-2547873	20040809
WO 2005056580	A1	20050623	WO 2004-RU318	20040809
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1697401	A1	20060906	EP 2004-775257	20040809
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
JP 2007537140	T	20071220	JP 2006-543758	20040809
LT 5421	B	20070525	LT 2006-24	20060405
LV 13462	B	20070220	LV 2006-55	20060406
US 20070142298	A1	20070621	US 2006-580957	20060530
KR 2007022199	A	20070226	KR 2006-711267	20060608
IN 2006CN02482	A	20070608	IN 2006-CN2482	20060706
PRIORITY APPLN. INFO.:			RU 2003-135605	A 20031210
			WO 2004-RU318	W 20040809

AB The invention relates to an agent regulating glucose level that can be used for prophylaxis and treatment of diabetes mellitus. Invention proposes new tetrapeptide: lysyl-glutamyl-aspartyl-tryptophane-amide of the general formula: Lys-Glu-Asp-Trp-NH<sub>2</sub> eliciting biol. activity that is able to regulate glucose level. Also, invention relates to pharmacol. agent comprising tetrapeptide lysyl-glutamyl-aspartyl-tryprophan-amide of the general formula: Lys-Glu-Asp-Trp-NH<sub>2</sub> as an active peptide agent taken in the ED. Invention proposes a method for prophylaxis and/or treatment of diabetes mellitus comprising administration to patient the pharmacol. agent comprising tetrapeptide of the general formula: Lys-Glu-Asp-Trp-NH<sub>2</sub> as an active peptide agent in EDs 0.1-30 µg/kg for at least once per a day. Invention provides preparing biol. active compound of the peptide nature regulating glucose level in diabetes mellitus type 1 and type 2.

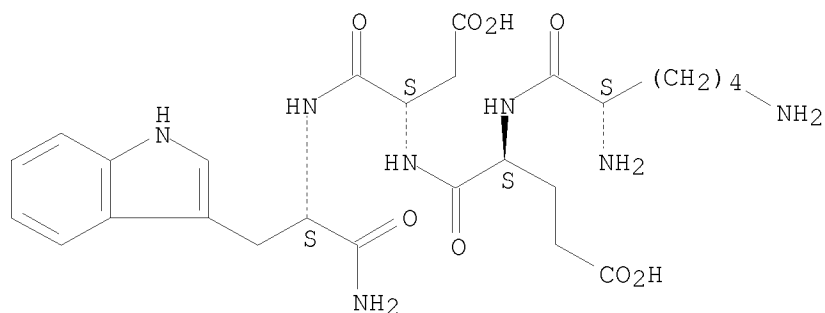
IT 809290-50-4P  
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic

preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
 (Preparation); USES (Uses)  
 (amino acid sequence; tetrapeptide regulating glucose level in diabetes  
 mellitus, pharmacol. agent based on thereof and method for applying)

RN 809290-50-4 CAPLUS

CN L-Tryptophanamide, L-lysyl-L- $\alpha$ -glutamyl-L- $\alpha$ -aspartyl- (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.



=> logoff h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.38

78.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.60

-1.60

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:10:41 ON 07 APR 2008